

US EPA ARCHIVE DOCUMENT

**ETV AMS Center Air Stakeholder Committee Informal Update at 2008 SES Conference
March 3, 2008**

Attendees:

Chuck Dene, EPRI
Rudy Eden, South Coast AQMD
Cliff Glowacki, Covenant Associates
Roy Owens, Owens-Corning
Ann Louise Sumner, Battelle

Status	Technology Category	Update	Notes from 3/3/08 Stakeholder Discussion
Ongoing	Leak Detection and Repair	Since December, working to secure co-funding from Texas Chemical Council (TCC) and American Chemistry Council (ACC). We hope to see funding from TCC in the next few weeks.	Update provided with no comments
Ongoing	Chemiluminescent Ozone Monitor	We have completed the EPA Management/Science review, and we are close to finalizing the report and submitting to EPA for approval	Update provided with no comments
New	Sampling pumps	Mickey Leland National Urban Air Toxics Research Center (NUATRC) is interested in funding a test of sampling pumps; we are working with Leland to pursue this opportunity	One failure point on sampling pumps is the fouling of the pump's check valve when using them with sorbent tubes. (Debris from the sorbent tubes can clog the check valve and cause it to malfunction.) This should be investigated during the test.
New	Fungal monitor for air applications	The vendor (Mycometer, Inc.) has been working on a brochure for air applications and is interested in ETV. What additional information did the committee want to see before providing concurrence to test this technology?	Since the committee is unfamiliar with the issues related to mold contamination (what the health/environmental problem is, any shortcomings of existing methods, etc.), they requested some more basic information outlining the need for the technology before making a decision about providing concurrence. We have requested more basic information from the vendor and will distribute it to the stakeholder committee.
New	Baghouse filtration continuous monitor (leak detection)	Ernie Bouffard recently suggested this new technology category for the AMS Center to test.	The group was very interested in verifying technologies in this area. Chuck provided a list of commercial technologies in this category (included below) and will look into EPRI's interest in providing co-funding for a verification test. Seek concurrence from full air stakeholder committee. Will discuss at

Status	Technology Category	Update	Notes from 3/3/08 Stakeholder Discussion
			next teleconference.
New	Micro plasma based gas sensor	Optomem Sensors Inc. contacted the AMS Center with an interest in ETV. They are commercializing a micro plasma based gas sensor for air quality, but didn't provide many details. We will stay in contact with the vendor as they reach commercialization and revisit the category.	Rudy mentioned that the CARB ICAT program provides funding to bring almost developed technologies to the market. http://www.arb.ca.gov/research/icat/icat.htm
New	Odor Detection	Tom Kelly has been communicating with a vendor (Odotech) to discuss their vision for an ETV test (options range from laboratory testing to full-scale field deployment of network). We are currently waiting for Odotech to respond.	Continued interest in this category. One question was what analytes are detected by the technology. It was mentioned that this technology is "trained" to detect "odor" rather than respond to specific target analytes.
New	Ozone Detector Card (see photos, below)	Enviroscan has an interest in ETV verification, but doesn't have the funding to support a test but could provide in-kind support.	The AMS Center could test these cards very efficiently, if there is an organization with an interest and funding. Please forward any suggestions for collaborators to Tom Kelly (kellyt@battelle.org). There are other similar technologies available. Concurrence for this technology category will be discussed at the next stakeholder teleconference.
New/revisited	Portable Emission Analyzer	We are in the initial stages of discussion and have requested additional information from the Swiss vendor, Anapol Instrument Engineering. We tested this technology category in 2002/2003.	If there has been an improvement in the technology, the group would have an interest in testing. If this could be used for regulatory testing as a portable unit, there could be renewed interest in this category.

Technologies / Suppliers (from 1014180)

- **Triboelectric**
 - Auburn International
 - PCME DustAlert 990
- **Transmissometer**
 - Codel D-CEM 2000
- **Beta Gauge***
 - Durag F904K
 - Environment S.A. Beta 5M
 - MSI, Beta Guard
- **Scintillation**
 - GE Energy CPM 5000 (BHA)
 - PCME Scintilla SC 602
- **Light Scattering**
 - Durag DR-300-40
 - Land 4500 Premier
 - Sick RM210
 - Sick 100[†] an FEW 200^{*†}
 - Sigrist StackGuard^{*†}
 - SPTC USA (P5B)
 - Teledyne Monitor Labs 300L

* Extractive

† Forward Scattering

Red = some US testing done

Enviroscan Ozone Cards

